

B125 / B275 / B697 Product Support Guide

Introduction

Launch Date

5/28/04

S/N Configuration

K14 / L30

Product Code

B125 / B275

Product Code	Gestetner	Lanier	Ricoh	Savin
B125 / B275	A045	LW310	Aficio 240W	2400WD

Product Concept

After the launch of the B010, the market for digital wide format products has increased. The new B125 is expected to be competitive in the low-end wide format MFP/Plotter market. The B125 is designed to be the most compact A0/E MFP in the world. When offering a one-unit solution (Scanner/Printer/Copier), this feature becomes a selling point. The B125 has three feeding options: 1 or 2 roll feeder and paper cassette. When using the B125 with the controller option, the unit will be very popular with CAD users. The controller will allow printing and scanning of various documents and file types. High image quality is available; scanning occurs at 600 dpi with 256 grayscales, and printing occurs at 600 dpi in various original copy modes.



B125 / B275 / B697 Product Support Guide

Training Information

The training delivery methods for the **B125** will be:

1. A four-day B125 instructor-led training course. The recommended prerequisites are completion of the Core Basics five-day course (or Core Basics Competency Exam) and 10 to 12 months of field experience.
2. A B125 Self-Pace Update CBT/WBT with a Certification Exam via Ricoh e Testing. **B010 certification will be a mandatory prerequisite for this CBT/WBT.** In addition, certification on the B047/B048 will be strongly recommended.

The training delivery methods for the **B697** Printer controller will be:

1. Auto-certification for all Service Professionals who have successfully completed the current G067 – Printer Controller RW-470 Self-Pace Training Course upon receipt and review of the B697 — Printer Controller RW-240 Service Documentation Update Package. The G067 Self-Pace course will be discontinued from production approximately August 1 due to method 2 below.
2. Instructor-led training as follows:
 - a. A two-day RW-470/RW-240 (G067/B697) course entitled Wide Format Controller Workshop targeted for both Sales and Service Professionals.
 - b. A second two-day RW-470/RW-240 (G067/B697) course entitled Wide Format Controller Technical Workshop. This course will be **mandatory for Service Professionals** and **optional for Sales Professionals**. Attendees must pass the Final Exam with a minimum score of 75% to achieve certification.

These instructor-led courses will be jointly announced, administered, and conducted by Ricoh University and Service Education.

Documentation

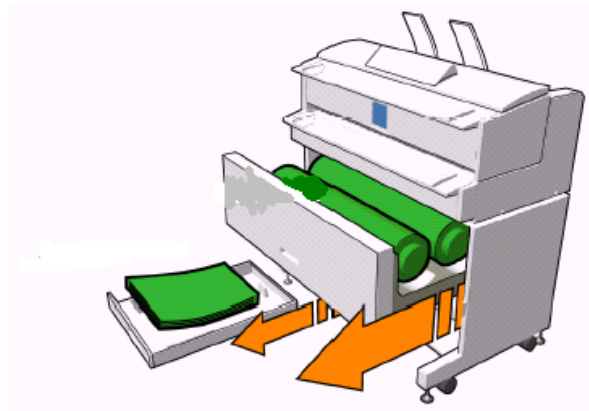
Description	MIU Code
B125 Self-Pace Update CBT / WBT	001910MIU
B125 Service Manual	001911MIU
B125 Parts Catalog	001912MIU
B697 Service Document Update Package	001948MIU
B697 Service Manual	001947MIU

If you have any questions regarding this or any other training, please contact the Service Education and Development Division at (973) 882-5797.

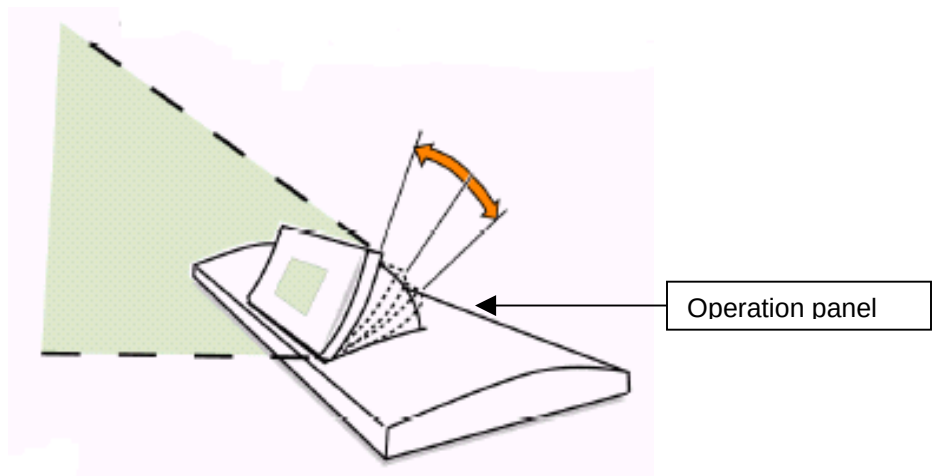
B125 / B275 / B697 Product Support Guide

Major Improvements / Features

- Speedy warm up time. Within 2 minutes (Quick Start Up Technology).
- Large operation panel.
- High image quality, 600dpi.
- Enlargement/Reduction function.
- Expandability with controller option.
- Optional 1 Roll Feeder or 2 Roll feeder. Also when attaching roll feeder option, you can add universal paper cassette for cut sheet paper whose maximum size is 12"x18"/A3 SEF. This paper cassette is only for SEF feeding.
- With 5.11 MCU/SCU firmware, SP mode 5958 allows the machine to handle 15 meter Scanning, Coping or Printing.
- With the RW-240 Plotbase version 3.6, new features include: DWG/DXF/DWF Option, AutoCAD 2006 client support, Mac 9.0 to 10.4 support and Adobe 1.6 PDF Support.



- The angle of operation panel can be changed according to each customer's environment. At 1st installation, you can select the angle from 3 positions. This function prevents the lighting from reflecting making the operation panel easier to read.



B125 / B275 / B697 Product Support Guide

Mainframe Specifications

(Remarks: SEF: short-edge feed, LEF: long-edge feed)

Technology

Configuration:	Desktop
Copying/Printing Process:	Electro-photographic printing
Photo-conductor:	OPC drum (970mm x 80Ø)
Drum Yield:	40K/A1 LEF or D (24Km)
Charge System:	Scorotron (corona charge)
Development System:	Magnetic brush
	Dual component dry toner system
Fusing:	Heat and Pressure
Roller Material:	Heat roller: Teflon
	Pressure roller: Silicone rubber
Cleaning System:	Counter Blade
PM Cycle:	5.6 km

Basic Specifications

Resolution:	600dpi
Gray Scale:	Scanning 256 levels
	Writing 2 levels
Original Feed:	Sheet original
Original Set Position:	Center
Original Scanning Methods:	CIS
Original Scanning Speed:	15-240mm/s
Original Image (scan) Size:	Maximum (Metric) 914mm x 3,600mm
	(Inch) 36" x 142"
	Minimum (Metric) 182mm x 140mm
	(Inch) 7" x 5"
	Original width 210, 297, 420, 594, 841, 914mm
	8-1/2", 11", 17", 22", 30", 34" or
	9", 12", 18", 24", 30", 36"
Max. Original Width:	Up to 960mm
Max. Original Length:	Default = 3.6m (11.8 ft), no limitation
	Longer size by enabling SP mode 5958 = 1 [3.6m-6.0m (19.6 ft)] or
	2 [3.6m-15.0m (49.2 ft)]

Limitation for longer size

- 1) By changing SP mode 5958, maximum input length will be extended to 6.0m or 15m (with 5.11 firmware). However, this SP mode is for extending maximum output length at the same time.
- 2) When printing 3.6 to 15m, the width of paper should be 841mm or larger and also the paper should be regular paper. Regarding 3.6 to 15m printing, when printing on paper smaller than 841mm wide or printing on other than regular paper, it may cause low level of reproduction, skewing etc.
- 3) If you change SP mode at customer site, please explain this limitation to customers. If it is not explained, unnecessary service calls may happen.

B125 / B275 / B697 Product Support Guide

Original Paper Feed: 2 output directions (Straight, Top)
 Copy Size: Maximum (Metric) 914mm x 3,600mm (3.6M: roll paper)
 914mm x 2,000mm (2M) (Bypass feeding)
 (Inch) 36" x 142" (roll paper)
 36" x 78" (Bypass feeding)
 Minimum (Metric) 210mm x 279.4mm (Roll Feeder & Cassette)
 210mm x 257mm (Bypass tray)
 (Inch) 8 1/2" x 11"
 Paper width 210, 297, 420, 594, 841mm
 8-1/2", 11", 17", 22", 30", 34" or
 9", 12", 18", 24", 30", 36"

Maximum Paper Length: Default = 3.6m (11.8 ft), **no limitation**
 Longer size by enabling SP mode 5958 = 1 [3.6-6.0m (19.6 ft)] or
 2 [3.6m-15m (49.2 ft)]

Limitation for longer size

- 1) By changing SP mode 5958, maximum output length will be extended to 6.0m or 15m (with 5.11 firmware). However, this SP mode is for extending maximum input length at the same time.
- 2) When printing 3.6 to 15m, the width of paper should be 841mm or larger and also the paper should be regular paper. Regarding 3.6 to 15m printing, when printing on paper smaller than 841mm wide or printing on other than regular paper, it may cause low level of reproduction, skewing etc.
- 3) If you change SP mode 5958 at customer site, please explain this limitation to customers. If it is not explained, unnecessary service calls may happen.

Copying speed: 60mm/sec.
 2 cpm/ppm @ A0/E (SEF)
 4 cpm/ppm @ A1/D (LEF)
 Output Paper feed: Top (Standard) and Rear (with Roll Feeder/ Table): switch able
 Reproduction Ratio: 1: 1
 Reduction / Enlargement:

	Inch Version		Metric Version
	Engineer	Architecture	
Reduction	25, 32.4, 50, 64.7 %	25, 33.3, 50, 66.7%	25, 35.4, 50, 70.7%
100%	100 %	100 %	100%
Enlargement	129.4, 200, 258.8, 400 %	133.3, 200, 267, 400 %	141.4, 200, 282.8, 400%

Zoom: 25.0% to 200.0% by 0.1% step
 200.2% to 400% by 0.2% step
 Image density: Auto 7 steps, Manual 7 steps
 Warm Up Time: Less than 2 minutes (23°C, US: 120V)

B125 / B275 / B697 Product Support Guide

First Copy Time:

Tray	A1 LEF	A0 SEF	Paper Exit
1st Roll	25/23 sec.	35/33 sec.	Upper / Bottom
2nd Roll	24/22 sec.	34/32 sec.	Upper / Bottom

Tray	D LEF	E SEF	Paper Exit
1st Roll	25/23 sec.	35/34 sec.	Upper / Bottom
2nd Roll	24/22 sec.	34/33 sec.	Upper / Bottom

Number of Repeat Copy:	1-20 (Ten key input)	
Paper Capacity:	Roll Paper (option):	Max Diameter Ø 175mm, Max length 150M
	Cassette (option):	250 sheets (80 g/m ² /20lb)
	Bypass feed (Standard):	1 sheet
Output tray Capacity:	Upper Tray:	25 sheets @ A1/D (Plain paper) 10 sheets @ A1/D (Application paper)
	Optional roll feeder:	20 sheets @ A0/E, A1/D (Plain paper) 1 sheet @ A0/E, A1/D (Application paper)
Paper Cut Method:	Synchronized cut, Preset size cut, Variable cut	
Memory Capacity:	80MB (equivalent to 1 sheet x A0/E size)	
HDD (optional):	More than 10GB	
Power Source:	NA	120V/60Hz, 15A or more
	EU	220V-240V, 50/60Hz, 10A or more
Max Power Consumption:	NA	less than 1.44kw
	EU	less than 1.50kw
Dimensions (W x D x H):	1,080 x 637 x 580 (mm)/43"x25"x23"	
Weight:	Less than 105Kg / 231 lb	

Special Features

Selection of Original Type:	
Text Mode	standard
Text /Photo Mode	standard
Photo Mode	standard
Pale Mode	standard
Generation Copy	standard
Drawing	standard
Background Line	standard
Sharpen Text	standard
Job Program	standard (10 jobs)
Interrupt Job	standard
Paper Selection:	Auto Paper Selection (standard)
Auto magnification selection:	standard
Size magnification:	standard

B125 / B275 / B697 Product Support Guide

Image Overlay:	standard (Image size up to A1/D) with optional HDD, up to A0/E
Format Overlay:	with optional HDD
Negative/Positive:	standard
Mirroring:	standard
Double Copy:	standard
Repeat Copy:	standard
Longer Size Original:	with optional HDD
Image Shift:	standard (Front/Rear/Left/Right:0+/-200mm by 1mm)
Erase:	standard (Erase edge/inside/outside)
Stamp:	available with optional stamp board
User Stamp, Repeat:	available with optional HDD and stamp board
Margin Adjustment:	standard 0 to +/- 200mm (by 1mm step) at synchro cut mode
Electronic Sort:	Number of pages to be stored

Size	Standard Memory	Optional HDD (10GB)
A0/E	1	50 or more
A1/D	2	100 or more
A2/C	4	100 or more
A3/B	Min.8	100 or more
A4/A	Min.16	100 or more

(1) With optional HDD, the number of pages to be stored increases. The number of pages is subject to the image coverage.

Preset Job:	Number of pages to be stored
-------------	------------------------------

Size	Standard Memory	Optional HDD (10GB)
A0/E	-	49 or more
A1/D	1	99 or more
A2/C	3	99 or more
A3/B	Min.7	99 or more
A4/A	Min. 5	99 or more

Restart Key:	standard
Emergency Stop:	standard (key)
Sample Copy:	standard
Partial Copy:	standard
Additional Copy:	standard
Clear Modes:	standard
Auto Clear:	standard
Auto Off:	standard
Reset:	standard
User Codes:	up to 50 users

Operation Panel

Feature Selection:	Touch Panel LCD (240 x 64 dot)
Guidance languages:	9 languages English, French, German, Italy, Spanish, Dutch, Russian, Chinese, Portuguese

B125 / B275 / B697 Product Support Guide

Option Specifications

Roll Feeder B641/B642 Option

If you want to use roll paper, you can select between a 1 Roll Feeder option and 2 Roll Feeder option.

Copy Paper Size (W x L):	Maximum: 914 x 3,600 mm (36" x 142") Minimum: 210 x 250 mm (8 1/2" x 10")
Copy Paper Weight:	52.3 ~ 104.7g/m ² (13.9 ~ 27 lb.)
Copy Paper Capacity:	Roll Feed: Max. Diameter: 175 mm (6.9") Max. Length: 150 m (137.6") Roll Core Diameter: 76.4 ± 0.25 mm (about 3")
Power Source:	From main frame
Dimensions (w x d x h):	1,080 x 720 x 700 mm (43" x 28" x 27")
Weight:	B641 70 kg (154 lb.) B642 72 kg (158.4 lb)

Paper Cassette B643 Option

This option is installed into the optional Roll Feeder.

Type:	Universal Cassette
Paper Separation:	Friction Pad
Paper Capacity:	250 sheets
Copy Paper Size:	A3 SEF, A4 SEF, B4 SEF, LT SEF, LG SEF, DLT SEF, 8 1/2 x 13 SEF, 12 x 18 SEF
Copy Paper Weight:	64~105 g/m ²
Power Source:	From Roll Feeder
Weight:	6 kg (13.2 lb.)

Hard Disk Drive (HDD) Option

More than 10 GB.

The HDD is required when customers need to use the following features:

- User Stamp, Watermark,
- Format Overlay
- Sort/Rote sort (**for increasing memory capacity**)
- Preset job (for increasing memory capacity)
- Repeat copy with longer original

Stamp Board Option

The Stamp Board option is necessary to use Stamp feature.

B125 / B275 / B697 Product Support Guide

Original Sizes

SEF: Short Edge Feed

LEF: Long Edge Feed

Metric version

Original size		Original table	
		SEF	LEF
A0 (841x1189)		Yes	No
A1 (594x841)		Yes	Yes
A2 (420x594)		Yes	Yes
A3 (297x420)		Yes	Yes
A4 (210x297)		Yes	No
Non-Standard sizes			
Original length		297- 3,600mm (with 5.11 firmware, up to 15,000mm with SP 5958 set to 2)	
Original width		210mm-914mm	
Maximum width		960mm	
Original weight		20.9 – 157 g/m ²	
Original thickness		0.035 – 1mm thickness	

Please use carrier sheet if you feed less than 0.07mm thickness.

Inch version

Original size		Original table	
		SEF	LEF
Engineering	E (34"x44")	Yes	No
	D (22"x34")	Yes	Yes
	C (17"x22")	Yes	Yes
	B (11"x17")	Yes	Yes
	A (8 1/2"x11")	Yes	No
Architecture	E (36"x48")	Yes	No
	D (24"x36")	Yes	Yes
	C (18"x24")	Yes	Yes
	B (12"x18")	Yes	Yes
	A (9"x12")	Yes	No
30" x 42" size	30" x 42" *	Yes	No
Non-Standard sizes			
Original length		11" – 141" (with 5.11 firmware, up to 49.2 ft with SP 5958 set to 2)	
Original width		8 1/2" – 36"	
Maximum width		37.8"	
Original weight		5.6 – 41.8lb(20.9 – 157 g/m ²)	
Original thickness		1.2Mil – 40Mil	

***Note: 30" x 42" paper: APS only works at 100% reproduction.**

B125 / B275 / B697 Product Support Guide

Power Consumption

120V Version	Full system *1
Warm-up	1.4 kW
Ready *2	0.03 kW
During Copying	1.44 kWh
Maximum	1.44 kW

*1 Full System:

Mainframe with Roll Feeder (2 roll), Paper Cassette, HDD, Stamp Board and Interface PCB

*2 Ready:

The dehumidifiers are switched off.

Noise Emission

Sound Power Level	Full System
Stand-by	43.0 dB (A)
Copying	68.0 dB (A)
Copying (from memory)	68.0 dB (A)

The measurements were made in accordance with ISO 7779 at the operator position.

Target Reliability

ITEMS	Model B125		
	A1/D LEF (prints)	Metric (m)	Feet
ACV (C/O: 1.5 prints)	606 prints/Month	360 m	1,181 feet
Max CV	2,120 prints	1,260 m	4,134 feet
MCBC Target (Mainframe)	3,140 prints	1,870 m	6,135 feet
MCBF Target (Mainframe)	4,700 prints	2,800 m	9,186 feet

NOTE: All items above are calculated based on the machine ACV assuming the following:

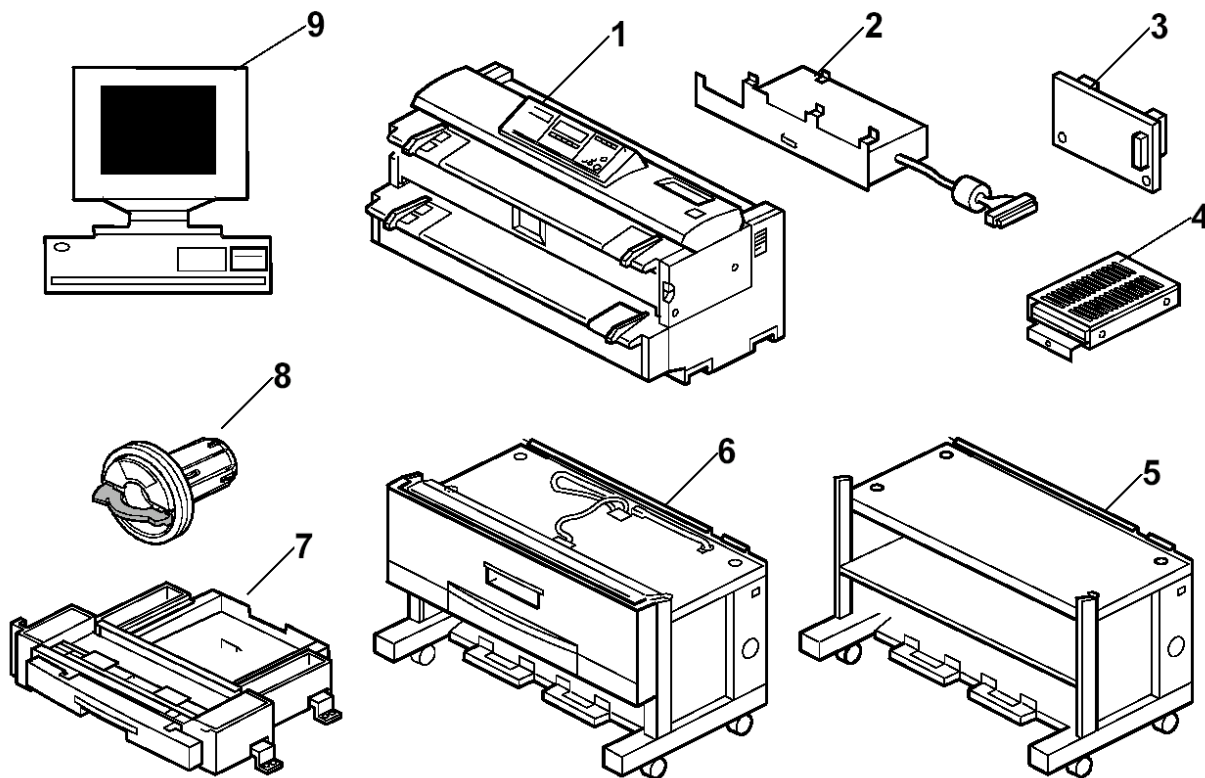
Daily maintenance is performed consistently.

Recommended paper types are used.

The machine is installed under operable environmental conditions.

B125 / B275 / B697 Product Support Guide

Machine Configuration



No.	Item	Machine Code
1	Main Frame	B125
2	Interface PCB Type 240	B690
3	Stamp Board	B321
4	Hard Disk Type 240	B663
5	Table Type 240	B662
6	Roll Feeder Type 240A/B* ¹	B641/B642
7	Paper Cassette Type 240* ²	B643
8	Roll Holder	B394
9	Printer/Scanner Controller in Server PC	B697

*1 B641: 1 Roll, B642: 2 Rolls

*2 Installed inside the B641/B642

B125 / B275 / B697 Product Support Guide

EDP Codes / Option Order Numbers

Product Code	EDP Code	Lanier ID #	Item	Model Name
B125 / B275	411634 / 412713	479-1502	Model B125	Aficio 240W / A045 / 2400WD / LW310
B641	411641	481-0792	1 Roll Feeder	Roll Feeder Type 240A
B642	411643	481-0793	2 Roll Feeder	Roll Feeder Type 240B
B662	411728	481-0796	Table	Table Type 240
B643	411644	481-0794	Paper Cassette	Paper Cassette Type 240
B321	411051	481-0629	Stamp Board	Stamp Board Type A
B394	410844		Roll Holder	Roll Holder Type A
B663	411727	481-0795	Hard Disk Drive	Hard Disk Drive Option Type 240
B690 / B856	411729 / 412709	481-0818	Interface Option	Type 240 Interface Option
B697	411737 / 413025	481-0831	Print Controller	Printer Controller RW-240
	411738	481-0832	Scanner Option	RW-240 Scanner Option
	411739	481-0833	PS 3 Option	RW-240 Postscript Level 3 Compatible
	411740	481-0834	CGM Option	RW-240CGM Option
	413149	481-7132	DWG/DXF/DWF Option	RW-240 DWG/DXF/DWF Option

Installation Requirements

Environmental Conditions

Temperature Range:	10°C to 30°C (50°F to 86°F)
Humidity Range:	15% to 90% RH
Ambient Illumination:	Less than 1,500 Lux (do not expose the machine directly to light from the sun).
Ventilation:	More than 30m ³ /hr/person in the work area
Ambient Dust:	Less than 0.10 mg/m ³
If the installation area has air-conditioners or heaters, put the machine in a location that agrees with these conditions: 1. Where there are no sudden temperature changes from low to high, or high to low. 2. Where it will not be directly exposed to cool air from an air conditioner in the summer. 3. Where it will not be directly exposed to reflected heat from a space heater in the winter.	
Do not install the machine in an area filled with gases that can cause corrosion.	
Do not install the machine in areas higher than 2,000 m (6,500 ft) above sea level.	
Put the machine on a strong and level surface.	
Do not install the machine in an area where there are frequent strong vibrations.	

B125 / B275 / B697 Product Support Guide

Power Connection

The machine must be installed in a building that has protection against electrical malfunctions by a circuit breaker, or an equivalent device. Such devices are necessary to give the machine protection for over-current and short circuits.

Input Voltage Level:	120V, 60 Hz 15 A or more for the U.S.A. version
Permissible Voltage Fluctuation:	± 10%
Do not set objects on the power cord.	

NOTES:

- Securely connect the power cord to a power source.
- Make sure that the wall outlet is near the machine and easily accessible.
- Make sure the plug is firmly inserted in the outlet.
- Do not pinch the power cord.
- Avoid multi-wiring.
- The required wall outlet is a NEMA 5-15R (receptacle) →

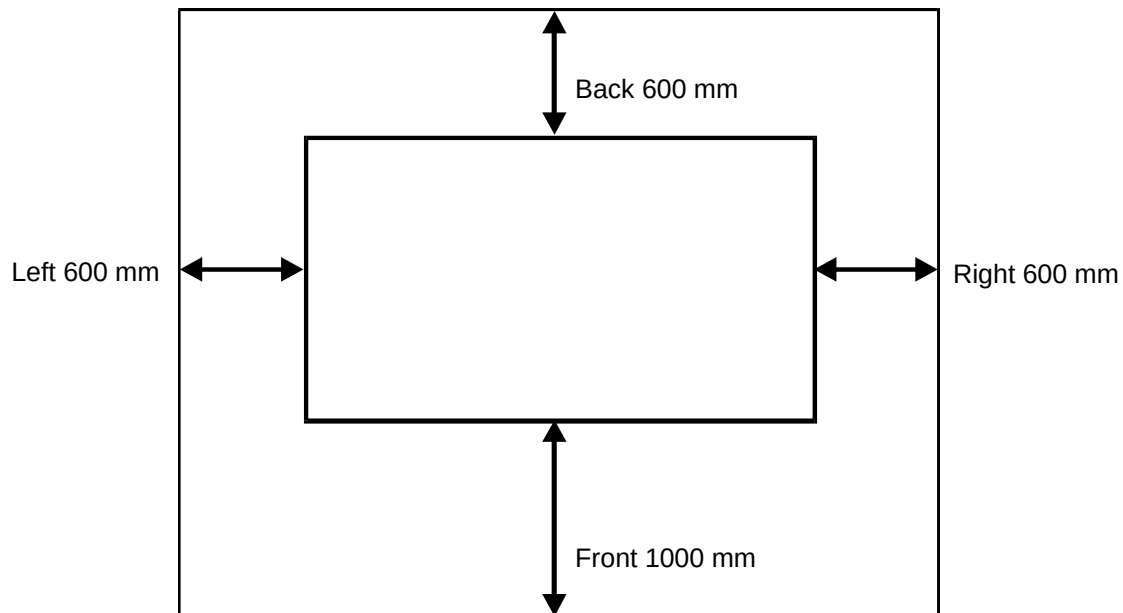


Installation Times

Unit	Installation Time (minutes)	Unit	Installation Time (minutes)
Mainframe	20 minutes with 2 persons	Table	5 minutes with 2 persons
Roll Feeder	20 minutes with 2 persons	Printer Controller	70 minutes
Hard Disk	35 minutes	Paper Cassette	15 minutes
Interface Board	10 minutes	Stamp Board	10 minutes

B125 / B275 / B697 Product Support Guide

Machine Space Requirements



1. Front: 1000 mm (40")
2. Back: 600 mm (23")
3. Right: 600 mm (23")
4. Left: 600 mm (23")

MACHINE LEVEL

Front to back: Not more than 5 mm from level.

Right to left: Not more than 0.15/1000 mm from level.

B125 / B275 / B697 Product Support Guide

Controller Installation

PC should be dedicated as printer server PC. Server PC is purchased separately.

PC System requirements:

System spec requirements for version 3.3

- OS: Windows2000 Professional SP3 or Windows XP Professional SP1
- CPU: PentiumIII 800 MHz or higher.
- HDD: 10GB or more.
- RAM: 256MB or more.
- PCI 2.0 or higher x 1slot (with 3.3 V or 5V auto adaptive)
- FSB (front Side Bus): 133MHz
- Display Controller: 1024x768 pixels resolution or more
- CD-ROM drive
- Network Interface: Ethernet 10/100 Base T, TCP/IP configuration

System spec requirements for version 3.6

- OS: Windows 2000 Professional SP4 or Windows XP Professional SP2
Internet explorer 5.0 or higher
Internet explorer 6.0 SP1 when using DWG/DWF/DWF Option
- CPU: Pentium 4, Pentium III, Celeron with minimum 2GHz, AMD Athlon (minimum Athlon XP).
Recommended: Intel Pentium 4 with 2GHz or more.
- HDD: The hard disk should have at least 20GB free memory.
- RAM: Recommended maximum scan and plot length:

256MB	3000mm / 9.84 ft
512MB	6000mm / 19.68 ft
768MB	8000mm / 26.2 ft
1024MB	10000mm / 32.8 ft
1536MB	15000mm / 49.2 ft
1536MB+	15000mm / 49.2 ft
- PCI bus system must meet up-to-date standards (PCI 2.0 or higher – 3.3V or 5V auto adaptive, maximum load 5A). If the computer does not fulfill this standard, it would cause to the printer controller not be identified.
- Display Controller: 1024 x 768 pixels resolution. Avoid computers with shared video memory.
- CD-ROM drive for software installation.
- Network Interface: 10/100 base T Ethernet, the TCP/IP configuration is necessary.

RW-240 Controller Board Type 240:

The following applications, drivers and configurations need to be used to set up the controller.

RW-240 Kernel driver

User accounts and group on local PC

Windows component

SNMP

Internet Information Server

Print Services for UNIX

Local Security Policy setting

Lock Page in Memory

PLOTBASE, SCANTOOL and Apache Web Server

WINPRINT

RSP files

- To activate optional software, obtain updated RSP file(s) by registering TAN (transaction number) and controller serial number at <http://www.rspfiles.com/>.

Note: RW-240 Plotbase version 3.6 update CD can be ordered from National Spare Parts with part number B6978500.

B125 / B275 / B697 Product Support Guide

PM Parts or B125

Unique/Common

U: Unique for this model

C: Common with other models

Part Number	Description	Q'ty/ Unit	PM Interval : Km (feet)	Unique or Common
Around the drum				
AD020089	Charge Corona Wire - G	1	11.0 (36,000)	C (B010)
AD020059	Corona Wire - Main (Transfer)	1	11.0 (36,000)	C (B010)
AD020072	Corona Wire - Separation	1	11.0 (36,000)	C (B010)
B1252061	Cleaner: Charge Corona	1	5.5 (18,000)	U
Cleaning Unit				
A1653581	Cleaning Blade	1	11.0 (36,000)	C (B010)
Fusing Unit				
AE011085	Hot Roller – MM50	1	27.5 (90,000)	U
AE031056	Bushing - Fusing (Hot Roller)	2	27.5 (90,000)	U
AE020148	Pressure Roller: MM55	1	33.0 (108,000)	U
AE042047	Fusing Cleaning Roller	1	27.5 (90,000)	C (B010)
Other				
AA010117	Exhaust Ozone Filter	1	5.6 (18,000)	U

NOTE:

Listed part numbers are based on the machines produced at the time of this document issue. Please refer to RFG Technical Service Bulletins (TSB) and current part catalogs for the most update information.

PM Parts for Paper Cassette: B643

Part Number	Description	Q'ty /Unit	PM Interval : Km (feet)	Unique or Common
G8003011	Paper Feed Roller	1	16.5 (54,000)	C (G024)
G0302575	Friction Pad Ass'y	1	16.5 (54,000)	C (G024)

B125 / B275 / B697 Product Support Guide

Special Tools

The following special tools are needed to maintain the new model properly in the field:

Part Number	Description	Q'ty	Unique or Common
A0239504	Test Chart OS-A1 (2 sheets/set)	1	C (B010 / B047 / B048)
N8036701	Flash Memory Card – 4MB	1	C (B010)
A2579300	Grease Barrierta – S552R	1	C (B010)
52039502	Silicon Grease G-501	1	C (B010 / B047 / B048)

Initial Recommended Service Parts For B125

* Refer to PM Table for additional initial recommended part numbers.

Part Number	Description	Quantity	Remarks
B1251484	Operation Sub-unit-NA	1	Operation Panel Assembly
B1255250	PCB-SMDB	1	
B1255425	PCB-VDB-VDIP	1	
B1255460	PCB-SIB	1	
AZ320135	Power Pack-CGB	1	
B1253830	T/S Corona Unit	1	
AD004103	Charge Corona Unit	1	
AX450042	Heater-120V-1150W	1	
AW100087	Fusing Thermistor	1	
AW110036	Thermostat-200C 250V/10A	1	
AW110035	Thermostat-199C 250V/10A	1	
AW100053	Thermistor-Rear	1	
B1255291	PCB-MCU-NP-NA	1	
B1255219	PCB-Image Processing Unit-EXP	1	
B1251649	Contact Image Sensor Unit	1	
AZ320128	Power Pack-TD	1	
AZ230129	Power Supply Unit 100-120V DOM/NA	1	

NOTE:

Listed part numbers are based on the machines produced at the time of this document issue. Please refer to RFG Technical Service Bulletins (TSB) and current part catalogs for the most update information.

B125 / B275 / B697 Product Support Guide

Ricoh Supply EDP Order Numbers / Yields

EDP Code	Name	Target Yield
888029	RICOH TONER TYPE 1160W BLACK	Average 2.2K copies @ A1/D LEF, Ricoh 6% chart/cartridge (800g)
888214	RICOH DEVELOPER TYPE 30W BLACK	Average 50K copies @ 1/D LEF Ricoh 6% chart /1.0kg x 2bags (2.0kg)

Gestetner Supply EDP Order Numbers / Yields

EDP Code	Product code	Name	Target Yield
888150	89890	GESTETNER TONER A070	Average 2.2K copies @ A1/D LEF, Ricoh 6% chart/cartridge (800g)
888229	89905	DEVELOPER A045	Average 50K copies @ 1/D LEF Ricoh 6% chart /1.0kg x 2bags (2.0kg)

Savin Supply EDP Order Numbers / Yields

EDP Code	Product code	Name	Target Yield
888202	9890	SAVIN TONER TYPE 4700W BLACK	Average 2.2K copies @ A1/D LEF, Ricoh 6% chart/cartridge (800g)
888270	9905	SAVIN DEVELOPER 2400WD	Average 50K copies @ 1/D LEF Ricoh 6% chart /1.0kg x 2bags (2.0kg)

Lanier Supply EDP Order Numbers / Yields

EDP Code	Lanier ID #	Name	Target Yield
888195	480-0161	BLACK TONER FOR LW410	Average 2.2K copies @ A1/D LEF, Ricoh 6% chart/cartridge (800g)
888271	480-0216	BLACK DEVELOPER FOR LW310	Average 50K copies @ 1/D LEF Ricoh 6% chart /1.0kg x 2bags (2.0kg)

B125 / B275 / B697 Product Support Guide

Service Information

Recommended Paper Sizes and Types

Inch version

Tray Type	Recommended Paper type	Recommended Paper size	Remarks
Paper Roll	Plain paper 51 – 110 g/m ² (13.9 – 29.3 lb)	Max. Roll paper diameter: 6.9" Max. Core diameter: 3"+-0.0098" Width: 8-1/2", 11", 17", 22", 30", 34" or 9", 12", 18", 24", 30", 36"	
	Translucent paper 76-110 g/m ²		
	Velum 61-110 g/m ²	Roll length: 150m (164 yards or 492 feet)	
Bypass Tray	Plain paper 51 – 110 g/m ² (13.9 – 29.3 lb)	Engineering E (34"x44"): SEF D (22"x34"): SEF/LEF C (17"x22"): SEF/LEF B (11"x17"): SEF/LEF A (8 1/2"x 11"): SEF Architecture E (36"x48"): SEF D (24"x36"): SEF/LEF C (18"x24"): SEF/LEF B (12"x18"): SEF/LEF A (9"x 12"): SEF Paper width: 11"x36" Paper length: 8 1/2 x 78"	1 sheet can be set from bypass.
	Translucent paper 76-110 g/m ²		
	Vellum 61-110 g/m ²		

Total Counter Access

Electronic total counter. Press User Tools key → select Counter.

Firmware Structure

PCMCIA cards will be used to upgrade the B125 Firmware (common with A232/A284/B004)

Branding

Branding is required as the machines are shipped as a generic version.

Ricoh version machines: You must adhere the model label (provided) to the front cover.

Savin/Gestetner/Lanier: You must adhere the model label (provided) to the front cover.

Serial Number Location

On lower left hand side of rear cover.

B125 / B275 / B697 Product Support Guide

Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: 1-800-537-4264 Savin/Gestetner: 1-800-291-6044 Lanier: 800-333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call - 000900MIU Savin Phone Card: 2 Call - 12992, 5 Call - 12993 Gestetner Phone Card: 2 Call - 12994, 5 Call - 12995
National Reclamation Center	(800) 557-4264 / http://www.nrc-usa.com
Technology Solutions Center Web Site	http://tsc.ricohcorp.com
Ricoh Web Site	http://www.ricoh-usa.com/
Savin iLINC Web Site	http://w3.savin.com
Gestetner ILINE Web Site	http://w3.gestetnerusa.com
Lanier Web Site	http://www.lanier.com
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com Savin Corporation: http://www.savin.com Gestetner Corporation: http://www.gestetnerusa.com/
Fax On Demand	(973) 808-3590
Material Safety Data Sheets	1-800-336-MSDS (6737)
Eastern Training Center	(973) 808-7646
Western Training Center	(714) 566-3692
Lanier Education Center	(678)-824-3000

Revision History

Version 1 – Original version 5/12/04.

Version 2 – 7/17/06.

Page 1 - New product code and S/N configuration add for RoHs compliant machine.

Page 3 - Major improvement / features updated.

Page 4 - Max original length updated.

Page 5 - Max paper length updated.

Page 9 - Original sizes updated.

Page 12 - EDP codes and product codes updated for RoHs compliance.

Page 15 - Controller PC Specs updated for Plotbase version 6.3.

Page 21 - Cost Fact Sheet removed.